

## CRF Errors Corrected by the STIC System Branch

CRF Processing Date: \_\_\_\_\_  
Edited by: \_\_\_\_\_  
Verified by: \_\_\_\_\_ (STIC staff)

Serial Number: 101051, USA

Changed a file from non-ASCII to ASCII

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_.

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_

Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_

Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  
 page numbers throughout text;  other invalid text, such as \_\_\_\_\_

Inserted mandatory headings, specifically: \_\_\_\_\_

Corrected an obvious error in the response, specifically: \_\_\_\_\_

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_

Other: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/051,681A

DATE: 04/14/2003

TIME: 15:25:18

Input Set : A:\PTO.DC.txt  
 Output Set: N:\CRF4\04142003\J051681A.raw

3 <10> APPLICANT: Daniel Chen  
 4 Ilya Chumakov  
 6 <11> TITLE OF INVENTION: Treatment of CNS Disorders Using D-Amino Acid Oxidase and D-Aspartate  
 7 CHILDASE Antagonists  
 9 <12> FILE REFERENCE: 101.US1.REG  
 11 <13> CURRENT APPLICATION NUMBER: 10/051,681A  
 13 <14> CURRENT FILING DATE: 2002-01-16  
 15 <15> PRIOR APPLICATION NUMBER: 60/261,883  
 17 <16> PRIOR FILING DATE: 2001-01-16  
 19 <17> PRIOR APPLICATION NUMBER: 60/305,445  
 21 <18> PRIOR FILING DATE: 2001-07-13  
 23 <19> PRIOR APPLICATION NUMBER: 60/345,221  
 25 <20> PRIOR FILING DATE: 2001-10-22  
 27 <21> PRIOR APPLICATION NUMBER: 60/333,881  
 29 <22> PRIOR FILING DATE: 2001-11-19  
 31 <23> NUMBER OF SEQ ID NOS: 26  
 33 <24> SOFTWARE: Patent.pm  
 36 <25> SEQ ID NO: 1  
 37 <26> LENGTH: 36592  
 38 <27> TYPE: DNA  
 39 <28> ORGANISM: Homo sapiens  
 41 <29> FEATURE:  
 42 <30> NAME/KEY: misc\_feature  
 43 <31> LOCATION: 38388..40388  
 44 <32> OTHER INFORMATION: 5'regulatory region  
 46 <33> FEATURE:  
 47 <34> NAME/KEY: exon  
 48 <35> LOCATION: 40389..40670  
 49 <36> OTHER INFORMATION: exon Z  
 51 <37> FEATURE:  
 52 <38> NAME/KEY: exon  
 53 <39> LOCATION: 42666..42778  
 54 <40> OTHER INFORMATION: exon A  
 56 <41> FEATURE:  
 57 <42> NAME/KEY: exon  
 58 <43> LOCATION: 43416..43519  
 59 <44> OTHER INFORMATION: exon B  
 61 <45> FEATURE:  
 62 <46> NAME/KEY: exon  
 63 <47> LOCATION: 61159..6140  
 64 <48> OTHER INFORMATION: exon C  
 66 <49> FEATURE:  
 67 <50> NAME/KEY: exon

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/051,681A

DATE: 04/14/2003  
TIME: 15:25:18

Input Set : A:\PTO.DC.txt  
Output Set: N:\CRF4\04142003\J051681A.raw

68 <100> LOCATION: 6450..64711  
69 <101> OTHER INFORMATION: exon Ulong  
71 <102> FEATURE:  
72 <103> NAME/KEY: exon 0  
73 <104> LOCATION: 64578..64711  
74 <105> OTHER INFORMATION: exon U  
76 <106> FEATURE:  
77 <107> NAME/KEY: exon 0  
78 <108> LOCATION: 64516..64261  
79 <109> OTHER INFORMATION: exon V  
81 <110> FEATURE:  
82 <111> NAME/KEY: exon  
83 <112> LOCATION: 64588..64690  
84 <113> OTHER INFORMATION: exon 2  
86 <114> FEATURE:  
87 <115> NAME/KEY: exon  
88 <116> LOCATION: 71941..72056  
89 <117> OTHER INFORMATION: exon 3  
91 <118> FEATURE:  
92 <119> NAME/KEY: exon  
93 <120> LOCATION: 73962..74028  
94 <121> OTHER INFORMATION: exon 4  
96 <122> FEATURE:  
97 <123> NAME/KEY: exon  
98 <124> LOCATION: 74701..74766  
99 <125> OTHER INFORMATION: exon 5  
101 <126> FEATURE:  
102 <127> NAME/KEY: exon  
103 <128> LOCATION: 77478..77532  
104 <129> OTHER INFORMATION: exon 6  
106 <130> FEATURE:  
107 <131> NAME/KEY: exon  
108 <132> LOCATION: 78762..78866  
109 <133> OTHER INFORMATION: exon 7  
111 <134> FEATURE:  
112 <135> NAME/KEY: exon  
113 <136> LOCATION: 81507..81589  
114 <137> OTHER INFORMATION: exon 8  
116 <138> FEATURE:  
117 <139> NAME/KEY: exon  
118 <140> LOCATION: 83181..83298  
119 <141> OTHER INFORMATION: exon 9  
121 <142> FEATURE:  
122 <143> NAME/KEY: exon  
123 <144> LOCATION: 83879..83977  
124 <145> OTHER INFORMATION: exon 10  
126 <146> FEATURE:  
127 <147> NAME/KEY: exon  
128 <148> LOCATION: 84906..85423

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/051,681A

DATE: 04/14/2003  
TIME: 15:25:18

Input Set : A:\PTO.DC.txt  
Output Set: N:\CRF4\04142003\J051681A.raw

129 <113> OTHER INFORMATION: exon 11  
131 <114> FEATURE:  
132 <115> NAME/KEY: exon  
133 <116> LOCATION: 34906..5541  
134 <117> OTHER INFORMATION: exon 11long  
136 <118> FEATURE:  
137 <119> NAME/KEY: misc\_feature  
138 <120> LOCATION: 35542..36542  
139 <121> OTHER INFORMATION: 3'regulatory region  
141 <122> FEATURE:  
142 <123> NAME/KEY: allele  
143 <124> LOCATION: 6199  
144 <125> OTHER INFORMATION: 24-1443-126 : polymorphic base C or T  
146 <126> FEATURE:  
147 <127> NAME/KEY: allele  
148 <128> LOCATION: 44614  
149 <129> OTHER INFORMATION: 24-1457-52 : polymorphic base A or C  
151 <130> FEATURE:  
152 <131> NAME/KEY: allele  
153 <132> LOCATION: 72600  
154 <133> OTHER INFORMATION: 27-93-181 : polymorphic base A or G  
156 <134> FEATURE:  
157 <135> NAME/KEY: allele  
158 <136> LOCATION: 84046  
159 <137> OTHER INFORMATION: 24-1461-256 : polymorphic base A or G  
161 <138> FEATURE:  
162 <139> NAME/KEY: primer\_bind  
163 <140> LOCATION: 6074..6094  
164 <141> OTHER INFORMATION: 24-1443.pu  
166 <142> FEATURE:  
167 <143> NAME/KEY: primer\_bind  
168 <144> LOCATION: 6559..6579  
169 <145> OTHER INFORMATION: 24-1443.rp complement  
171 <146> FEATURE:  
172 <147> NAME/KEY: primer\_bind  
173 <148> LOCATION: 44763..44782  
174 <149> OTHER INFORMATION: 24-1457.pu  
176 <150> FEATURE:  
177 <151> NAME/KEY: primer\_bind  
178 <152> LOCATION: 45257..45277  
179 <153> OTHER INFORMATION: 24-1457.rp complement  
181 <154> FEATURE:  
182 <155> NAME/KEY: primer\_bind  
183 <156> LOCATION: 72359..72378  
184 <157> OTHER INFORMATION: 27-93.rp  
186 <158> FEATURE:  
187 <159> NAME/KEY: primer\_bind  
188 <160> LOCATION: 72763..72780  
189 <161> OTHER INFORMATION: 27-93.pu complement

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/051,681A

DATE: 04/14/2003  
TIME: 15:25:18

Input Set : A:\PTO.DC.txt  
Output Set: N:\CRF4\04142003\J051681A.raw

191 <000> FEATURE:  
192 <001> NAME/KEY: primer\_bind  
193 <001> LOCATION: 43791..43811  
194 <001> OTHER INFORMATION: 14-1461.pu  
195 <002> FEATURE:  
196 <003> NAME/KEY: primer\_bind  
197 <003> LOCATION: 44307..44314  
198 <003> OTHER INFORMATION: 14-1461.rp complement  
199 <004> FEATURE:  
200 <005> NAME/KEY: primer\_bind  
201 <005> LOCATION: 44800..44804  
202 <005> OTHER INFORMATION: 14-1443-126.mis  
203 <006> FEATURE:  
204 <007> NAME/KEY: primer\_bind  
205 <007> LOCATION: 44805..44813  
206 <007> OTHER INFORMATION: 14-1443-126.mis complement  
207 <008> FEATURE:  
208 <009> NAME/KEY: primer\_bind  
209 <009> LOCATION: 44795..44813  
210 <009> OTHER INFORMATION: 14-1457-52.mis  
211 <010> FEATURE:  
212 <011> NAME/KEY: primer\_bind  
213 <011> LOCATION: 44815..44833  
214 <011> OTHER INFORMATION: 14-1457-52.mis complement  
215 <012> FEATURE:  
216 <013> NAME/KEY: primer\_bind  
217 <013> LOCATION: 44815..44833  
218 <013> OTHER INFORMATION: 14-1457-52.mis complement  
219 <014> FEATURE:  
220 <015> NAME/KEY: primer\_bind  
221 <015> LOCATION: 72581..72599  
222 <015> OTHER INFORMATION: 27-93-181.mis  
223 <016> FEATURE:  
224 <017> NAME/KEY: primer\_bind  
225 <017> LOCATION: 72601..72619  
226 <017> OTHER INFORMATION: 27-93-181.mis complement  
227 <018> FEATURE:  
228 <019> NAME/KEY: primer\_bind  
229 <019> LOCATION: 84027..84045  
230 <019> OTHER INFORMATION: 24-1461-256.mis  
231 <020> FEATURE:  
232 <021> NAME/KEY: primer\_bind  
233 <021> LOCATION: 84047..84065  
234 <021> OTHER INFORMATION: 24-1461-256.mis complement  
235 <022> FEATURE:  
236 <023> NAME/KEY: primer\_bind  
237 <023> LOCATION: 6187..6211  
238 <023> OTHER INFORMATION: 24-1443-126.probe  
239 <024> FEATURE:  
240 <025> NAME/KEY: misc\_binding  
241 <025> LOCATION: 6187..6211  
242 <025> OTHER INFORMATION: 24-1443-126.probe  
243 <026> FEATURE:  
244 <027> NAME/KEY: misc\_binding  
245 <027> LOCATION: 44802..44826  
246 <027> OTHER INFORMATION: 24-1457-52.probe  
247 <028> FEATURE:  
248 <029> NAME/KEY: misc\_binding  
249 <029> LOCATION: 44802..44826  
250 <029> OTHER INFORMATION: 24-1457-52.probe  
251 <030> FEATURE:

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/051,681A

DATE: 04/14/2003  
TIME: 15:20:18

Input Set : A:\PTO.DC.txt  
Output Set: N:\CRF4\04142003\J051681A.raw

252 <0021> NAME/KEY: misc\_binding  
253 <0022> LOCATION: 72188..72612  
254 <0023> OTHER INFORMATION: 37-92-181.probe  
255 <0024> FEATURE:  
256 <0025> NAME/KEY: misc\_binding  
257 <0026> LOCATION: 34024..84059  
258 <0027> OTHER INFORMATION: 34-1461-256.probe  
259 <0028> SEQUENCES:  
260 <0029> misc\_binding 160  
261 <0030> misc\_binding 160  
262 <0031> misc\_binding 160  
263 <0032> misc\_binding 160  
264 <0033> misc\_binding 160  
265 <0034> misc\_binding 160  
266 <0035> misc\_binding 160  
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268 <0037> misc\_binding 160  
269 <0038> misc\_binding 160  
270 <0039> misc\_binding 160  
271 <0040> misc\_binding 160  
272 <0041> misc\_binding 160  
273 <0042> misc\_binding 160  
274 <0043> misc\_binding 160  
275 <0044> misc\_binding 160  
276 <0045> misc\_binding 160  
277 <0046> misc\_binding 160  
278 <0047> misc\_binding 160  
279 <0048> misc\_binding 160  
280 <0049> misc\_binding 160  
281 <0050> misc\_binding 160  
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283 <0052> misc\_binding 160  
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285 <0054> misc\_binding 160  
286 <0055> misc\_binding 160  
287 <0056> misc\_binding 160  
288 <0057> misc\_binding 160  
289 <0058> misc\_binding 160  
290 <0059> misc\_binding 160  
291 <0060> misc\_binding 160  
292 <0061> misc\_binding 160  
293 <0062> misc\_binding 160  
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295 <0064> misc\_binding 160  
296 <0065> misc\_binding 160  
297 <0066> misc\_binding 160  
298 <0067> misc\_binding 160  
299 <0068> misc\_binding 160  
300 <0069> misc\_binding 160  
301 <0070> misc\_binding 160  
302 <0071> misc\_binding 160

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/051,681A

DATE: 04/14/2003  
TIME: 15:25:19

Input Set : A:\PTO.DC.txt  
Output Set: N:\CRF4\04142003\J051681A.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; Xaa Pos. 10,30,50,60,115  
Seq#:14; Xaa Pos. 10,30,50,60,115

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/051,681A

DATE: 04/14/2003  
TIME: 15:25:19

Input Set : A:\PTO.DC.txt  
Output Set: N:\CRF4\04142003\J051681A.raw

L:2486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:103  
M:341 Repeated in SeqNo=13  
L:2577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
M:341 Repeated in SeqNo=14



OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/051,681A

DATE: 04/14/2003  
TIME: 08:56:11

Input Set : A:\seqlisting.txt  
Output Set: N:\CRF4\04142003\J051681A.raw

3 <110> APPLICANT: Daniel Cohen  
4 : ilja Chumakov  
6 <121> TITLE OF INVENTION: Treatment of CNS Disorders Using D-Amino Acid Oxidase and D-

Aspartate

7 : Oxidase Antagonists  
9 <130> FILE REFERENCE: 101.US5.REG  
11 <140> CURRENT APPLICATION NUMBER: 10/051,681A  
12 <141> CURRENT FILING DATE: 2002-01-16  
15 <150> PCT/US APPLICATION NUMBER: 60/261,883  
17 <151> PCT/US FILING DATE: 2001-01-16  
19 <153> PCT/US APPLICATION NUMBER: 60/305,445  
21 <154> PCT/US FILING DATE: 2001-07-13  
23 <155> PCT/US APPLICATION NUMBER: 60/345,221  
25 <156> PCT/US FILING DATE: 2001-10-22  
27 <158> PCT/US APPLICATION NUMBER: 60/333,881  
29 <159> PCT/US FILING DATE: 2001-11-19  
31 <160> NUMBER OF SEQ ID NOS: 26  
33 <170> SOFTWARE: Patent.pn

## ERRORED SEQUENCES

3003 <110> SEQ ID NO: 26  
3004 <111> LENGTH: 47  
3005 <112> TYPE: DNA  
3006 <113> ORGANISM: Artificial Sequence  
3008 <110> FEATURE:  
3009 <113> OTHER INFORMATION: oligonucleotide 24-1461-256  
3071 <110> FEATURE:  
3072 <111> NAME/KEY: allele  
3073 <113> LOCATION: 24  
3074 <113> OTHER INFORMATION: polymorphic base A or G  
3076 <400> SEQUENCE: 26  
3077 >ttggcttgcatttcag ggarcagtca tgtctgatct caagttc  
E--> 3078 (54) ~~blete~~

47

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/051,681A

DATE: 04/14/2003  
TIME: 08:56:12

Input Set : A:\seqlisting.txt  
Output Set: N:\CRF4\04142003\J051681A.raw

L:2486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:103  
L:2489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:151  
L:2492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:199  
L:2495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:247  
L:2504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:391  
L:2577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:2579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:16  
L:2583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:48  
L:2591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:112  
L:3078 M:254 E: No. of Bases conflict, this line has no nucleotides.